

Title (en)  
ENDOSCOPE AUXILIARY TOOL AND ENDOSCOPE

Title (de)  
ENDOSKOPHILFSWERKZEUG UND ENDOSKOP

Title (fr)  
OUTIL AUXILIAIRE D'ENDOSCOPE ET ENDOSCOPE

Publication  
**EP 3838107 A4 20210929 (EN)**

Application  
**EP 19850497 A 20190809**

Priority

- JP 2018153161 A 20180816
- JP 2019031558 W 20190809

Abstract (en)  
[origin: US2021121054A1] An endoscope aid is attachably and detachably attached to a treatment tool insertion channel of an endoscope where a suction tube joins. The endoscope aid includes a flexible tubular member having a length equal to or larger than a length ranging from at least an inlet-side end part of an outlet portion of the treatment tool insertion channel, which is maintained in the shape of a straight pipe regardless of bending of a bending part of the endoscope, to an inlet of the treatment tool insertion channel. The tubular member has a distal end part that has an outer periphery in sliding contact with an inner peripheral surface of the outlet portion of the treatment tool insertion channel and is disposed at the outlet portion, and a communication part that allows an outlet of the treatment tool insertion channel and the suction tube to communicate with each other.

IPC 8 full level  
**A61B 1/018** (2006.01); **A61B 50/10** (2016.01); **G02B 23/24** (2006.01)

CPC (source: EP US)  
**A61B 1/00101** (2013.01 - US); **A61B 1/00119** (2013.01 - EP US); **A61B 1/00128** (2013.01 - EP US); **A61B 1/00147** (2013.01 - US); **A61B 1/015** (2013.01 - EP US); **A61B 1/018** (2013.01 - EP US); **A61B 50/10** (2016.02 - EP); **G02B 23/24** (2013.01 - EP)

Citation (search report)

- [XY] EP 1955643 A1 20080813 - OLYMPUS MEDICAL SYSTEMS CORP [JP]
- [X] EP 3216380 A1 20170913 - OLYMPUS CORP [JP]
- [Y] US 4972828 A 19901127 - ITO KEIJI [JP]
- See references of WO 2020036131A1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**US 11877726 B2 20240123**; **US 2021121054 A1 20210429**; CN 112423644 A 20210226; CN 112423644 B 20240514; EP 3838107 A1 20210623; EP 3838107 A4 20210929; EP 3838107 B1 20240306; JP 6937439 B2 20210922; JP WO2020036131 A1 20210810; WO 2020036131 A1 20200220

DOCDB simple family (application)  
**US 202017138911 A 20201231**; CN 201980047636 A 20190809; EP 19850497 A 20190809; JP 2019031558 W 20190809; JP 2020537445 A 20190809